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DIRECTOR OF CENTRAL INTELLIGENCE
Scientific and Technical Intelligence Committee

10 SEP 1981

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MEMORANDUM FOR: Chairman, National Intelligence Council

FROM: Chairman, Scientific and Technical
Intelligence Committee

SUBJECT: The Intelligence Community's Analytical
Capability to Adequately Address
NIE 11-12 Key Technology Areas

25X1

1. Shortly after NIE 11-12 was published, the
Scientific and Technical Intelligence Committee--upon
consultation with Mr. David Brandwein, then NIO/SP,
and _____ Senior Review Panel--
agreed to provide the next drafters of this estimate
with a review of how S&T analytic resources are deployed
throughout the U.S. Intelligence Community. As a result,
STIC conducted a survey of the Community's S&T analytic
coverage of the key technology areas addressed in NIE
11-12-80. STIC also included a number of additional
S&T topics that consumers of the NIE indicated should
be covered in the next estimate. Summary results, key
findings and STIC recommendations based on that survey
are attached.

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2. STIC is currently preparing several technology
assessment inputs for the next NIE 11-12 and is prepared
to sponsor assessments in several other key technology
areas. Of immediate concern, however, are those technology
areas for which sufficient analytic resources do not
currently exist (each of these areas is described in the
attachment). STIC believes that this problem should be
addressed soon by the Deputy Director of Central Intelli-
gence and the appropriate members of the National
Intelligence Council.

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SUBJECT: The Intelligence Community's Analytical
           Capability to Adequately Address
           NIE 11-12 Key Technology Areas ☐

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     3.   STIC looks forward to working with this year's
NIE 11-12 drafting team and hopes that the results of the
attached study will contribute to a more complete estimate
and a more efficient drafting process.   If we can be of
any further assistance on this matter, please do not
25X1   hesitate to contact me. ☐

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Attachment:
  A/S

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SUBJECT: The Intelligence Community's Analytical Capability
           to Adequately Address NIE 11-12 Key Technology Areas

Distribution:
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SUMMARY RESULTS OF THE STIC SURVEY TO DETERMINE THE
INTELLIGENCE COMMUNITY'S ABILITY TO ADEQUATELY
ADDRESS NIE 11-12 KEY TECHNOLOGY AREAS

I. Overview and Key Findings

1.   STIC recently surveyed the Intelligence Community's
(IC) current S&T analyst population in order to determine
the Community's ability to adequately cover the key
technologies STIC believes should be addressed in NIE 11-12.
Each agency represented on STIC was asked to inventory its
current analytical capability to produce finished intelligence
on select Soviet S&T topics. Those technologies judged by
the STIC as being "key" and, therefore, appropriate to NIE
11-12 are listed in TABLE (1). The first sixteen topics in
the table are those in the current NIE 11-12. The next eight
are new topics recommended for inclusion by STIC. The last
two, while not technologies, directly relate to R&D and are
25X1 · addressed in the current NIE 11-12.*

2.   There are three key findings:

- Current scientific and technical intelligence
(S&TI) analytic coverage in most of the key technology
areas is greater than had been expected. The reason
for this is that in most IC organizations, weapons
systems personnel are involved in technology assessment--
as a necessary element of their analysis--even though
technology assessment may not be their primary
25X1   responsibility.

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*Questions concerning the content of this report or the coverage
survey should be directed to Dr. Bertram Smith, Army/ACSI,
25X1   695-4862

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